Initial Type Test Report

1. Product:

MasterProtect 126 mixed with MasterSeal 600

2. Standard:

EN 1504-2 Methods 1.3/2.2/8.2
Surface protection product/coating

3. Manufacturer:

Master Builders Solutions Belgium nv
Nijverheidsweg 89
3945 Ham
Belgium

4. Test Institutes / Reports:

Intron Laboratory
PO Box 5187
6130 PD Sittard
Netherlands
Test-Report No. 053832

PCI Augsburg GmbH
Measurement Technology
Piccardstraße 11
86179 Augsburg
Germany
Test-Reports No. 685/09 and 420/10

COWI A/S
Parallelvej 2
2800 Kongens Lyngby
Denmark
Test-Report No. P-61202-J-34.3_01

5. Test procedure:

The sample preparation has been performed, if not described otherwise, according to EN 1504-2 or the appropriated testing standards.
The fresh mortar has been mixed according to the TDS (25 kg MasterProtect 126 powder + 4.75 liters of MasterSeal 600).

6. Test Results:

No.	Performance Characteristics	Test method	Test result	Requirements
2	Compressive strength (28 days)	EN 12190	51.4 N/mm²	Class II: ≥50 N/mm² (for traffic with steel wheels)
6	Permeability to CO_2	EN 1062-6 (Conditioning of samples in accordance with EN 1062-11)	89 m	s_D > 50 m
7	Permeability to water vapour (3 mm thickness)	EN ISO 7783-1 EN ISO 7783-2	2.6 m (class I)	class I S_D < 5 m (permeable to water vapour)
8	Capillary absorption and permeability to water	EN 1062-3	0.05 kg/m²•$h^{0.5}$	w < 0,1 kg/m²•$h^{0.5}$
9	Adhesion after thermal compatibility Reference substrate: CC (0,40) according to EN 1766 – Part 1: Freeze salt cycling with de-icing salt immersion – Part 2: Thunder shower cycling (thermal shock) 30 cycles – Part 4: Dry cycling (50 cycles)	 EN 13687-1 EN 13687-2 EN 13687-4	no bubbles, cracks and delamination 2.9 MPa (2.0 MPa) 3.6 MPa (3.1 MPa) 3.5 MPa (2.9 MPa)	a) no bubbles, cracks and delamination b) Pull-off-test for rigid systems with trafficking: ≥ 2.0 MPa (lowest single value ≥ 1.5 MPa)
15	Pull-off test after 28 days Reference substrate: MC (0,40) as specified in EN 1766	EN 1542	3.2 MPa (2.6 MPa)	Rigid systems with trafficking: ≥ 2.0 MPa (lowest single value ≥ 1.5 MPa)
20	Artificial weathering (UV- radiation and humidity)	EN 1062-11	no blistering no cracking no flaking slight colour change	After 2 000 h of artificial weathering: no blistering according to EN ISO 4628-2, no cracking according to EN ISO 4628-4, no flaking according to EN ISO 4628-5
25	Diffusion of chloride ions	NT BUILD 489	D_{app} = 5.85·10^{-12} m²/s	subject to national standards and national regulations

Signed for and on behalf of the manufacturer by:

Erik Herremans
Head of Production Benelux & Site Manager

Bram Thijs
Laboratory Manager

Ham, 09.03.2021